

ABSTRACT OF THE DISCLOSURE

An optical transmission device which efficiently suppresses variations among loss levels in optical fiber transmission, and improves quality of optical transmission. 5 A WDM port is connected to an optical transmission line, and functions as a port for transmission and reception of a wavelength-multiplexed signal. A wavelength multiplex/demultiplex unit has optical filters which are 10 daisy-chain connected, and realize a loss characteristic weighted at respective wavelengths in correspondence with a wavelength-dependent loss characteristic of the optical transmission line. Each of the optical filters has a function of a band-pass filter and an identical insertion 15 loss. The wavelength multiplex/demultiplex unit performs wavelength demultiplexing of a signal received through the WDM port, or wavelength multiplexing of signals to be outputted through the WDM port, so as to suppress differences among different channels in loss caused by 20 transmission of a wavelength-multiplexed signal, and equalize loss levels in the different channels.